



Technical Data Sheet

RHOPLEX™ 1531C Alkali-soluble Emulsion

Features & Benefits

- Gloss—RHOPLEX™ 1531C Alkali-soluble Emulsion will achieve the gloss normally associated with a modified rosin ester without sacrificing the color of the finished polish or dried film. The gloss performance generally exceeds that obtained with styrene maleic anhydrides and other competitive emulsion-based resins.
- Leveling—Considerable testing of string mop application of polishes on commercial floors shows RHOPLEX™ 1531C Emulsion to provide the excellent leveling characteristics of the typical modified rosin ester.
- Color—RHOPLEX™ 1531C Emulsion is supplied as a milky-white emulsion. On solubilization, it is clear and virtually colorless. Since it is an all-acrylic polymer, it has excellent resistance to discoloration during the floor polish aging process.
- Durability—Floor polishes formulated with RHOPLEX™ 1531C Emulsion will withstand heavy traffic without adversely affecting the scuff, black heel mark and dirt pick-up resistance of the polish. We know of no other alkali-soluble resin presently available in the marketplace which can claim higher durability than RHOPLEX™ 1531C Emulsion.

Typical Properties

Specification Writers: These values are not intended for use in preparing specifications.

Property	Unit	Result
Appearance		Milky-white liquid
Solids Content		38 ± 0.5%
Minimum Film-Formation Temperature (MFFT)		~45°C
pH		~5.5
Viscosity (Brookfield LVF, #1 Spindle, 60 ppm)	cP	< 100
Density @ 25°C	Lb./U.S. gal.	~8.9
Specific Gravity		~1.06
Ionic Charge		Anionic

Description

RHOPLEX™ 1531C Emulsion is an all-acrylic, alkali-soluble emulsion that, when incorporated in a floor polish, exhibits excellent leveling, high gloss and high wear, along with ease of use and low color. In addition, RHOPLEX™ 1531C Emulsion is a leveling emulsion which duplicates the balance of properties formerly available in high-cost oligomeric products. RHOPLEX™ 1531C Emulsion is supplied as a high solids, low viscosity, ready-to-use emulsion that is easy to store and handle. For example, RHOPLEX™ 1531C Emulsion may be formulated into many floor polishes directly with neutralization occurring “in-situ” using the alkalinity of the floor polish polymer.

**Handling
Precautions**

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE ON THE DOW WEBSITE AT DOW.COM, OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.

**Usable Life and
Storage**

Store products in tightly closed original containers at temperatures recommended on the product label.

Limitations

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

**Health and
Environmental
Information**

To support customers in their product safety needs, Dow has an extensive Product Stewardship organization and a team of product safety and regulatory compliance specialists available in each area.

For further information, please see our website, dow.com or consult your local Dow representative.

**Disposal
Considerations**

Dispose in accordance with all local, state (provincial) and federal regulations. Empty containers may contain hazardous residues. This material and its container must be disposed in a safe and legal manner.

It is the user's responsibility to verify that treatment and disposal procedures comply with local, state (provincial) and federal regulations. Contact your Dow Technical Representative for more information.

**Product
Stewardship**

Dow has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our product stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with Dow products - from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

Customer Notice

Dow strongly encourages its customers to review both their manufacturing processes and their applications of Dow products from the standpoint of human health and environmental quality to ensure that Dow products are not used in ways for which they are not intended or tested. Dow personnel are available to answer your questions and to provide reasonable technical support. Dow product literature, including safety data sheets, should be consulted prior to use of Dow products. Current safety data sheets are available from Dow.

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